

PCO

WORLD'S FIRST COMPLETE ELECTRICAL FIRE DEFENCE SYSTEM

FIRE DOES NOT STAY IN THE PANEL.

It spreads along cables and through openings. PCO stops all three.



ELECTRICAL FAULT

PANEL FIRE

CABLES CARRY FIRE

THROUGH OPENINGS

PLANT SHUTDOWN

ONE FIRE ROUTE. THREE DEFENCES.

01 PANELS

Stop fire at source.

02 CABLES

Stop fire spread. Keep circuits working.

03 OPENINGS

Seal wall and floor openings.

**THE FIRE MAY LAST HOURS.
THE SHUTDOWN CAN LAST MONTHS.**

LEGAL EXPOSURE

A fire death can lead to criminal action against those responsible.

OSH CODE 2020 | BNS 2023 | CPA 2019

01 WHERE FIRE STARTS PANELS

Seal gaps. Limit air. Protect components.



FIRE SEALANT | PUTTY STICK

FIREX FBS 73

Seals cable entries. Limits air. Stops fire and smoke from spreading. Can be reopened.

UP TO 2 HOURS | IS 12458



FIRE-BARRIER PANEL COATING

FIREX DC 52

Stops panel paint from adding to the fire. Protects components from heat.

INDIA'S FIRST PANEL FIRE-BARRIER COATING

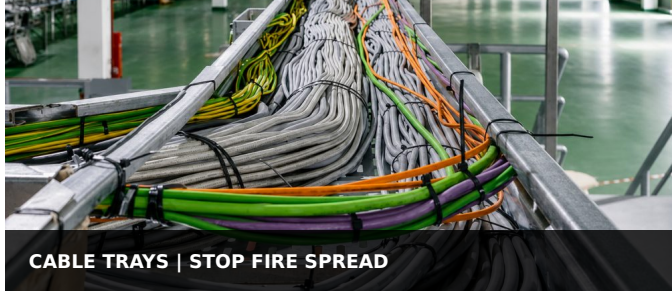
START HERE

MCCs | DBs | panels | junction boxes | machine cabinets

02 HOW FIRE SPREADS CABLES

CABLES SPREAD FIRE. BURNING INSULATION FEEDS THE FIRE.

MORE HEAT. MORE SMOKE. FASTER CIRCUIT FAILURE.



ONE RODENT BITE CAN CAUSE

CABLE FAILURE | FIRE | REPLACEMENT COST + DOWNTIME

WHERE	PRODUCT	WHY BUY	PROOF
SMALL CABLES + TOPCOAT ON EC 43	FIREX EC 7034	Prevents rodent bite damage. Fire-protection topcoat for EC 43 General / Survival.	19 BITES TO ZERO 120 MIN FIRE TEST RDSO/SPN/204
CABLE TRAYS	FIREX EC 43 GENERAL	Stops fire from spreading along cables.	240 MIN 1.6 MM IEC 60332-3
PUMPS + ALARMS + VENTILATION + EXITS	FIREX EC 43 SURVIVAL	Keeps circuits working. No reduction in cable capacity.	750 C / 240 MIN + 15 MIN COOLING 950 C / 180 MIN

CIRCUIT SURVIVAL

TESTED XLPE 4-CORE 70 SQ MM

6 MINUTES DEAD. 240 MINUTES ALIVE.

STANDARD XLPE

6 MIN | CIRCUIT DEAD

FR-LS XLPE

7 MIN | CIRCUIT DEAD

+ EC 43 SURVIVAL | 1.6 MM

240 MIN | CIRCUIT ALIVE

WHEN THE CIRCUIT DIES

THE SHUTDOWN TO REPLACE FIRE-DAMAGED CABLES COSTS FAR MORE THAN THE CABLES.

PRODUCTION LOSS

HUMAN INJURY RISK

CABLE REPLACEMENT

LONG BUSINESS DISRUPTION

ORDINARY CABLE COATINGS

NOT TESTED TO SURVIVE SEVERE, EXTENDED FIRE.

FM 3971 | FM'S OWN WORDS

"THESE COATINGS WERE NOT TESTED TO MAINTAIN CABLE PROTECTION UNDER SEVERE AND EXTENDED FIRE EXPOSURE CONDITIONS."

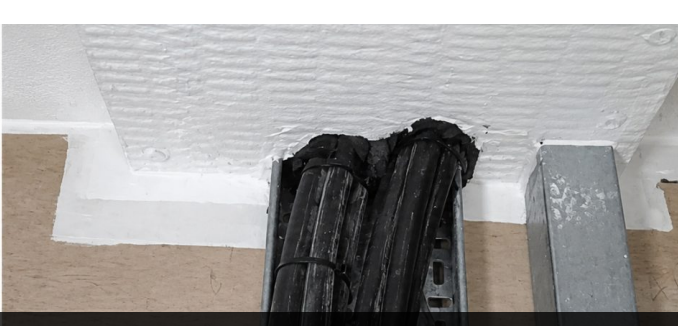
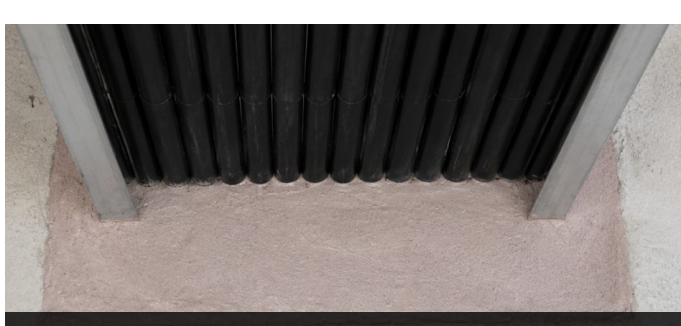
EC 43 SURVIVAL | IEC 60331-21

CIRCUIT ALIVE.
240 MINUTES.

+ 15 MINUTES COOLING

03 WHERE FIRE PASSES OPENINGS

Seal openings. Coat cables. Stop both fire paths.



OPENING	SYSTEM	BENEFIT	RATING
LOAD-BEARING WALLS + FLOORS	FIREX FM 71	Strong. Lightweight. Economical.	75 MM 2 HOURS
RUNNING PLANTS + DATA HALLS + REPAIRS	FIREX FB 250	Fast. Dry. No wet work near live equipment.	100 MM 2 HOURS
OPENINGS THAT MAY BE REOPENED	FM 71 + FB 250	Fast to install. Strong after sealing.	100 MM 2 HOURS
CABLES THROUGH FIRE SEALS	EC 43 COAT - 1 FT	Stops fire travelling along cables.	INCLUDED IEC 60332-3

CLOSE BOTH FIRE PATHS

OPENING SEALED. CABLE COATED.

CERTIFIED AND TESTED

CSIR-CBRI ROORKEE | IS 12458 | IS 17505-1 | IEC 60331-21 | IEC 60332-3 | IEC 60332-3-22 CAT A | RDSO/SPN/204

FIRST STEP

MAP THE FIRE ROUTE BEFORE THE FIRE DOES.

PANELS | CABLE TRAYS | EMERGENCY
CIRCUITS | WALL + FLOOR OPENINGS

REQUEST A FIRE-ROUTE SURVEY

ONE SYSTEM. ONE SOURCE. ONE ACCOUNTABLE PARTNER.

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